

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20060110093"	US-PGPUB; USPAT	OR	ON	2007/01/07 23:43
S2	1	"20060120668"	US-PGPUB; USPAT	OR	ON	2007/01/06 22:01
S3	1	"6982974".pn.	US-PGPUB; USPAT	OR	ON	2007/01/06 22:01
S4	1	"20060110093" and emission with angl\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 22:16
S5	1	"20060110093" and (emission with angl\$6 emit\$6 with angl\$6)	US-PGPUB; USPAT	OR	ON	2007/01/06 22:36
S6	1	"20060110093" and (emission with angl\$6 emit\$6 with angl\$6) and switch\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 22:35
S7	15	port with (emission emit\$6) with (different various varying) adj1 (angl\$6 direction\$6)	US-PGPUB; USPAT	OR	ON	2007/01/06 22:38
S8	12	port with (emission emit\$6) with (different various varying) adj1 (angl\$6 direction\$6) and optic\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 22:39
S9	13	(port (pyramid with (mirror reflector))) with (emission emit\$6) with (different various varying) adj1 (angl\$6 direction\$6) and optic\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 22:59
S10	219	watanabe.in. and itoh.in.	US-PGPUB; USPAT	OR	ON	2007/01/06 23:15
S11	36	watanabe.in. and itoh.in. and beam with scan\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 22:59
S12	0	watanabe.in. and itoh.in. and beam with scan\$6 and multidimension\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 23:00
S13	7	watanabe.in. and itoh.in. and beam with scan\$6 and dimension\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 23:01
S14	0	watanabe.in. and itoh.in. and itoh with hideo	US-PGPUB; USPAT	OR	ON	2007/01/06 23:01
S15	0	watanabe.in. and itoh.in. and mukai.in.	US-PGPUB; USPAT	OR	ON	2007/01/06 23:14
S16	0	beam with scan\$6 with laser with diode same fringe with shift\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 23:04
S17	3943	beam with scan\$6 with laser with diode	US-PGPUB; USPAT	OR	ON	2007/01/06 23:04

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S18	5	beam with scan\$6 with laser with diode and fringe with shift\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 23:04
S19	32	watanabe.in. and mukai.in.	US-PGPUB; USPAT	OR	ON	2007/01/06 23:14
S20	0	watanabe.in. and mukai.in. and fring\$6 with shift\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 23:14
S21	0	watanabe.in. and itoh.in. and fring\$6 with shift\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 23:15
S22	0	itoh.in. and mukai.in. and fring\$6 with shift\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 23:34
S23	62	kenichi.in. and spread\$6 with angl\$6	US-PGPUB; USPAT	OR	ON	2007/01/06 23:36
S24	21	kenichi.in. and spread\$6 with angl\$6 and light with beam	US-PGPUB; USPAT	OR	ON	2007/01/06 23:36
S25	259	kenichi.in. and matsuda	US-PGPUB; USPAT	OR	ON	2007/01/06 23:36
S26	3	kenichi.in. and spread\$6 with angl\$6 and matsuda	US-PGPUB; USPAT	OR	ON	2007/01/06 23:59
S27	20	emit\$4 adj1 (light) near3 var\$5 adj1 (angl\$6 degree spread)	US-PGPUB; USPAT	OR	ON	2007/01/07 00:01
S28	72	emit\$4 adj1 (light) near3 (var\$5 different) adj1 (angl\$6 degree spread)	US-PGPUB; USPAT	OR	ON	2007/01/07 00:17
S29	119	spread adj1 angl\$6 and "385"/\$. ccls.	US-PGPUB; USPAT	OR	ON	2007/01/07 00:13
S30	0	emit\$4 adj1 (light) near3 (var\$5 different) adj1 angl\$6 near1 spread	US-PGPUB; USPAT	OR	ON	2007/01/07 00:21
S31	0	emit\$4 adj1 (light) with (var\$5 different) adj1 angl\$6 near1 spread	US-PGPUB; USPAT	OR	ON	2007/01/07 00:21
S32	57	emit\$4 adj1 (light) with (var\$5 different) adj2 aperture	US-PGPUB; USPAT	OR	ON	2007/01/07 23:44
S33	130	"385"/\$. ccls. and fiber with emi\$6 with cone\$6	US-PGPUB; USPAT	OR	ON	2007/01/07 23:43
S34	43	"385"/\$. ccls. and fiber with emi\$6 with cone\$6 and receiv\$6 with emi\$6	US-PGPUB; USPAT	OR	ON	2007/01/07 23:44
S35	24483	(var\$5 control\$6 select\$6) with ((cone near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA)	US-PGPUB; USPAT	OR	ON	2007/01/07 23:55

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S36	591	(var\$5 control\$6 select\$6) with ((cone near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA) and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/07 23:56
S37	888	(var\$5 control\$6 select\$6) with ((cone near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size)) and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/07 23:57
S38	676	(var\$5 select\$6) with ((cone near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size)) and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/07 23:57
S39	19	(var\$5 with select\$6) with ((cone near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size)) and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 01:43
S40	1	(var\$5 with select\$6) and "5751869".pn.	US-PGPUB; USPAT	OR	ON	2007/01/08 00:01
S41	7	("5751869").URPN.	USPAT	OR	OFF	2007/01/08 00:21
S42	19	("4516832").URPN.	USPAT	OR	OFF	2007/01/08 00:46
S43	25	("5377287").URPN.	USPAT	OR	OFF	2007/01/08 00:36
S44	16	("5377287").URPN. and ((cone near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size))	US-PGPUB; USPAT	OR	ON	2007/01/08 00:36
S45	1	("6086234").URPN.	USPAT	OR	OFF	2007/01/08 00:38
S46	1	("6070985").URPN.	USPAT	OR	OFF	2007/01/08 00:39
S47	6	("6349159").URPN.	USPAT	OR	OFF	2007/01/08 00:42
S48	3	("6349159").URPN. and ((cone near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size))	USPAT	OR	OFF	2007/01/08 00:42
S49	10	("4516832").URPN. and ((cone near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size))	USPAT	OR	OFF	2007/01/08 00:46
S50	19	("4516832").URPN.	USPAT	OR	OFF	2007/01/08 00:52
S51	10	("4516832").URPN. and ((cone near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size))	US-PGPUB; USPAT	OR	ON	2007/01/08 00:53
S52	5	("4220411").URPN.	USPAT	OR	OFF	2007/01/08 00:55
S53	76	("3940608").URPN.	USPAT	OR	OFF	2007/01/08 00:58

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S54	47	("3940608").URPN. and ((cone near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size))	US-PGPUB; USPAT	OR	ON	2007/01/08 03:58
S55	18	("4599711").URPN.	USPAT	OR	OFF	2007/01/08 01:31
S56	3	("4599711").URPN. and ((cone near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size))	US-PGPUB; USPAT	OR	ON	2007/01/08 01:31
S57	20	(var\$5 with select\$6) with ((cone near1 angl\$6) (radiat\$6 near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size)) and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 02:43
S58	1	S57 not S39	US-PGPUB; USPAT	OR	ON	2007/01/08 01:44
S59	272	(var\$5) with ((cone near1 angl\$6) (radiat\$6 near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size)) and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 01:48
S60	253	S59 not S39	US-PGPUB; USPAT	OR	ON	2007/01/08 01:47
S61	286	(var\$5) with ((cone near1 angl\$6) (radiat\$6 near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size) (emission\$6 near1 angl\$6)) and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 02:11
S62	33	S61 not S60	US-PGPUB; USPAT	OR	ON	2007/01/08 01:49
S63	499	(select\$5) with ((cone near1 angl\$6) (radiat\$6 near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size) (emission\$6 near1 angl\$6)) and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 02:13
S64	434	S63 not (S61 S60)	US-PGPUB; USPAT	OR	ON	2007/01/08 02:12
S65	121	(select\$5) near2 ((cone near1 angl\$6) (radiat\$6 near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size) (emission\$6 near1 angl\$6)) and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 02:58

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S66	83	(adjust\$6) near2 ((cone near1 angl\$6) (radiat\$6 near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size) (emission\$6 near1 angl\$6)) and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 02:15
S67	10	(var\$5 with select\$6) with ((cone near1 angl\$6) (radiat\$6 near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size)) and "372"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 03:01
S68	10	S67 not S57	US-PGPUB; USPAT	OR	ON	2007/01/08 02:43
S69	2	(var\$5 with select\$6) with ((cone near1 angl\$6) (radiat\$6 near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size)) and "398"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 02:59
S70	5	(select\$5) near2 ((cone near1 angl\$6) (radiat\$6 near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size) (emission\$6 near1 angl\$6)) and "398"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 03:00
S71	4	S70 not S69	US-PGPUB; USPAT	OR	ON	2007/01/08 02:59
S72	46	(select\$5) near2 ((cone near1 angl\$6) (radiat\$6 near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size) (emission\$6 near1 angl\$6)) and "372"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 03:04
S73	45	S72 not S67	US-PGPUB; USPAT	OR	ON	2007/01/08 03:01
S74	10	(tun\$6) near2 ((cone near1 angl\$6) (radiat\$6 near1 angl\$6) (cone near1 shap\$6) (numeric\$6 near1 apertur\$6) NA (spot with size) (emission\$6 near1 angl\$6)) and "385"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/08 03:04
S75	18	("5663980").URPN.	USPAT	OR	OFF	2007/01/08 03:08
S76	3	("6278231" "6560760" "6838297").pn.	US-PGPUB; USPAT	OR	ON	2007/01/08 04:02
S77	5	("20050129348" "6278231" "6838297" "5357122" "5191219").pn.	US-PGPUB; USPAT	OR	ON	2007/01/08 04:05
S78	23	("5191219").URPN.	USPAT	OR	OFF	2007/01/08 04:08



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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	("6289440" "5684980" "6023755" "5802290").pn.	US-PGPUB; USPAT	OR	ON	2007/01/08 05:07
L2	0	("2002071151").pn.	US-PGPUB; USPAT	OR	ON	2007/01/08 05:09
L3	0	"2002071151"	US-PGPUB; USPAT	OR	ON	2007/01/08 05:08
L4	0	"2002071151"	US-PGPUB; USPAT	OR	ON	2007/01/08 05:08
L5	0	"2000341359"	US-PGPUB; USPAT	OR	ON	2007/01/08 05:09
L6	0	"200341359"	US-PGPUB; USPAT	OR	ON	2007/01/08 05:09
L7	1	("6647010").pn.	US-PGPUB; USPAT	OR	ON	2007/01/08 05:09
S1	17	("20040042705"   "4267587"   "4845702"   "5191219"   "5268973"   "5349598"   "5594577"   "5636045"   "5654814"   "5742418"   "5757828"   "5844542"   "5987165"   "6301401"   "6342952"   "6535661"   "6597713").PN.	US-PGPUB; USPAT	OR	ON	2007/01/08 05:06
S2	5	("20050129348" "6278231" "6838297" "5357122" "5191219").pn.	US-PGPUB; USPAT	OR	ON	2007/01/08 04:28